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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: Thu Oct 18 14:47:51 EDT 2007

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\*\*\*\*\*

Reviewer Comments:

agcgctaact gagacnnnnn agaghhhhhg ghhhhhgghh hhhggctcga catgcgta

58

The number at the end of each line wrapped down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent wrapping.

check for this type of error in subsequent sequences.

\*\*\*\*\*

Application No: 10527449 Version No: 1.0

**Input Set:****Output Set:**

**Started:** 2007-10-01 17:16:11.202  
**Finished:** 2007-10-01 17:16:14.505  
**Elapsed:** 0 hr(s) 0 min(s) 3 sec(s) 303 ms  
**Total Warnings:** 17  
**Total Errors:** 21  
**No. of SeqIDs Defined:** 11  
**Actual SeqID Count:** 17

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
E 342	'n' position not defined found at POS: 12 SEQID(5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 58 SEQID(12)
E 323	Invalid/missing amino acid numbering SEQID (12)at Protein (2)
E 323	Invalid/missing amino acid numbering SEQID (12) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (12)at Protein (5)
E 323	Invalid/missing amino acid numbering SEQID (12)at Protein (10)
E 323	Invalid/missing amino acid numbering SEQID (12)at Protein (15)

**Input Set:**

**Output Set:**

**Started:** 2007-10-01 17:16:11.202  
**Finished:** 2007-10-01 17:16:14.505  
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**Total Warnings:** 17  
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**Actual SeqID Count:** 17

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 20 SEQID(13)
E 323	Invalid/missing amino acid numbering SEQID (13) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (13)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 10 SEQID(14)
E 323	Invalid/missing amino acid numbering SEQID (14) POS (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 17 SEQID(15)
E 323	Invalid/missing amino acid numbering SEQID (15)at Protein (2)
E 323	Invalid/missing amino acid numbering SEQID (15) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (15)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
E 254	The total number of bases conflicts with running total Input: 0, Calculated : 24 SEQID(16)
E 323	Invalid/missing amino acid numbering SEQID (16)at Protein (2)
E 323	Invalid/missing amino acid numbering SEQID (16) POS (2)
E 323	Invalid/missing amino acid numbering SEQID (16)at Protein (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
E 252	Calc# of Seq. differs from actual; 11 seqIds defined; count=17



# SEQUENCE LISTING

<110> Nuevolution A/S  
 <120> Proximity-aided synthesis of templated molecules  
 <130> TM6-PCT  
  
 <140> 10527449  
 <141> 2007-10-01  
 <150> DK PA 2002 01347  
 <151> 2002-12-09  
 <150> US 60/409,968  
 <151> 2002-12-09  
 <160> 11  
 <170> PatentIn version 3.2  
 <210> 1  
 <211> 21  
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 <213> artificial sequence  
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 <220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> n is Amino-Modifier C6 dT (Glen Research Catalogue # 10-1039-90)  
 <400> 1  
 ncgatggatg ctccaggtcg c 21  
 <210> 2  
 <211> 12  
 <212> DNA  
 <213> artificial sequence  
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 <223> Oligonucleotide O2 used for preparing building block 1 in example 1  
 <220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> n is g modified with Biotin phosphoramidite (Glen Research catalogue # 10-1953-95)  
 <220>  
 <221> misc\_feature  
 <222> (12)..(12)  
 <223> n is g modified with C6 S-S thiol modifier (Glen Research catalogue # 10-1936-90)  
 <400> 2  
 nagcatcca tcn 12  
 <210> 3  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
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 <223> Oligonucleotide O3 used in example 1 for preparation of the second building block  
 <220>  
 <221> misc\_feature  
 <222> (1)..(1)

<223> n is c modified with Biotin Phosphoramidite (Glen Research,  
 catalogue #  
 10-1953-95)  
 <220>  
 <221> misc\_feature  
 <222> (15)..(15)  
 <223> n is g modified with C6 S-S thiol modifier (Glen Research,  
 catalogue #10-1936-90)  
 <400> 3  
 ntggagcat ccatcn 15  
 <210> 4  
 <211> 20  
 <212> DNA  
 <213> artificial sequence  
 <220>  
 <223> Oligonucleotide O4 used in example 1 for preparation of the  
 third  
 building block  
 <220>  
 <221> misc\_feature  
 <222> (1)..(1)  
 <223> n is g modified with Biotin Phosphoramidite (Glen Research,  
 catalogue #  
 10-1953-95)  
 <220>  
 <221> misc\_feature  
 <222> (20)..(20)  
 <223> n is g modified with C6 S-S thiol modifier (Glen Research,  
 catalogue #10-1936-90)  
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 <210> 5  
 <211> 12  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Oligonucleotide O5 used in example 2 for preparation of a  
 building  
 block  
 <220>  
 <221> misc\_feature  
 <222> (13)..(13)  
 <223> n is g modified with C6 S-S thiol modifier (Glen Research,  
 catalogue #10-1936-90)  
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 gagcatccat cn 12  
 <210> 6  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Oligonucleotide O6 used in example 2 for preparation of a  
 building  
 block  
 <220>  
 <221> misc\_feature  
 <222> (15)..(15)

<223> g modified with C6 S-S thiol modifier  
 <400> 6  
 ctggagcatc catcn 15  
 <210> 7  
 <211> 20  
 <212> DNA  
 <213> Artificial Sequence  
 <220>  
 <223> Oligonucleotide O7 used in example 2 for preparation of a  
 building  
 block  
 <220>  
 <221> misc\_feature  
 <222> (20)..(20)  
 <223> g modified with C6 S-S thiol modifier  
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 gcgacctgga gcatccatc n 20  
 <210> 8  
 <211> 15  
 <212> DNA  
 <213> Artificial Sequence  
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 <223> Oligonucleotide O8 used in example 2 for preparation of a  
 building  
 block  
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 <221> misc\_feature  
 <222> (15)..(15)  
 <223> g modified with C6 S-S thiol modifier  
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 <212> DNA  
 <213> Artificial Sequence  
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 <223> Oligonucleotide O9 used in example 2 for preparation of a  
 building  
 block  
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 <221> misc\_feature  
 <222> (20)..(20)  
 <223> g modified with C6 S-S thiol modifier  
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 <212> DNA  
 <213> Artificial Sequence  
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 <223> Oligonucleotide O10 used in example 2 for preparation of a  
 template  
 <220>  
 <221> misc\_feature  
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 <223> n is a modified with PC Biotin (Glen Research, catalogue #  
 10-4950-95)

<400> 10  
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<210> 11  
<211> 21  
<212> DNA  
<213> Artificial Sequence  
<220>  
<223> Oligonucleotide O11 used in example 2 for preparation of a  
template  
<220>  
<221> misc\_feature  
<222> (21)..(21)  
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10-4950-95)  
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<210> 12  
<211> 58  
<212> DNA  
<213> Artificial  
  
<220>  
<223> Synthetic (Template)

<220>  
<221> misc\_feature  
<222> (16)..(20)  
<223> n is a, c, g, or t

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58

<210> 13  
<211> 20  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic (Nucleotide sequence of scaffold building block)

<220>  
<221> misc\_feature  
<222> (16)..(19)  
<223> n is a, c, g, or t

<400> 13  
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20

<210> 14  
<211> 10



<212> DNA  
<213> Artificial

<220>  
<223> Synthetic (First building blocks)

<400> 14  
ctcddddddcc  
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<210> 15  
<211> 17  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic (Second building block)

<220>  
<221> misc\_feature  
<222> (4)..(8)  
<223> n is inosine.

<400> 15  
ctcnnnnnncc dddddcc  
17

<210> 16  
<211> 24  
<212> DNA  
<213> Artificial

<220>  
<223> Synthetic (Third building block)

<220>  
<221> misc\_feature  
<222> (4)..(8)  
<223> n is inosine.

<220>  
<221> misc\_feature  
<222> (11)..(15)  
<223> n is inosine.

<400> 16  
ctcnnnnnncc nnnnnccddd ddec  
24

<210> 17  
<211> 6  
<212> PRT

<213> Artificial

<220>

<223> Synthetic (Hexapeptide used to bind to amino  
oligonucleotide to create an identifier molecule)

<400> 17

Cys Phe Phe Lys Lys Lys

1 5